

Applicant : Michael Perani and Yong Joo Kil
Serial No. : 09/898,653
Filed : July 3, 2001
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Attorney's Docket No.: 07844-507001 / P470

REMARKS

Claims 1-24 and 27-50 are currently pending in the present application, of which claims 1 and 27 are independent. No new matter has been added. Reconsideration of the action mailed September 27, 2004, is respectfully requested in light of the following remarks.

The Examiner rejected claims 1-5, 7-8, 12 and 15-31, 33-34, 38, 41-50 under 35 U.S.C. § 102(a&b) as being anticipated by Adobe Illustrator 8.0 Classroom In a Book ("Adobe Illustrator 8.0"). The Examiner rejected claims 6, 10-11, 32 and 36-37 under 35 U.S.C. § 103(a) as being unpatentable over Adobe Illustrator 8.0 further in view of Golding "Sams Teach Yourself Adobe Illustrator 9 in 24 Hours" ("Golding"). The Examiner rejected claims 9, 13-14, 35, and 39-40 under 35 U.S.C. § 103(a) as being unpatentable over Adobe Illustrator 8.0 further in view of Borrel and Rappoport "Simple Constrained Deformations for Geometric Modeling and Interactive Design" ("Borrel").

Section 102 Rejections

Claim 1 stands rejected as anticipated by Adobe Illustrator 8.0. Claim 1 recites a computer program product including instructions to provide an editing brush for interactive editing of an image by a user. The editing brush has a size and shape defining a region of influence. The editing brush defines a displacement function over the region of influence. The displacement function has a displacement value at each position within the region of influence. Each application of the editing brush operates to apply the displacement function directly to each control point that is within the region of influence at that application of the editing brush, and not to other control points. A displacement is determined for each control point in the region of influence according to the displacement value of the displacement function at the position of the control point in the region of influence.

The Examiner states that that the zig zag filter described in page 168 of Adobe Illustrator 8.0 discloses Applicant's editing brush. Applicant respectfully disagrees. The zig zag filter allows a user to distort the original shape of an object. Page 168 describes a process for converting a straight line into a zig zag line. A user first selects a line with a selection tool. The

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user then selects a zig zag option from a filter menu. A dialog box then allows the user to enter an amount of displacement for the ridges of the zig zag line. The user can also select the number of ridges in the zig zag line. Additionally, the user can select options to define a smooth or jagged zig zag line as well as preview the finished zig zag line. Finally the user clicks "OK" and the converted line is displayed.

The zig zag filter does not apply a brush having a region of influence to the object in order to distort the original shape. The user only selects a line using the selection tool. The user then uses a menu selection to create a zig zag line. The user does not apply an editing brush having a region of influence to the line. Furthermore, because the user does not apply an editing brush to the line, each of the control points of the line within the region of influence of the editing brush are not displaced according to a displacement function. Applicant respectfully submits that claim 1, as well as claims 2-24, which depend from claim 1, are in condition for allowance.

Claim 27 stands rejected as anticipated by Adobe Illustrator 8.0. Claim 27 recites a method including steps similar to the instructions recited in claim 1. Thus claim 27, as well as claims 28-50, which depend from claim 27, are allowable for at least the same reasons as claim 1.

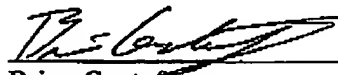
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Applicant respectfully requests that all pending claims be allowed. Please apply any charges or credits to deposit account 06-1050.

Respectfully submitted,

Date: 22 December, 2004



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Michael Perani and Yong Joo Kil Art Unit : 2672
Serial No. : 09/898,653 Examiner : Chante E. Harrison
Filed : July 3, 2001
Title : PAINTING INTERFACE TO COMPUTER DRAWING SYSTEM CURVE
EDITING

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Alexandria, VA 22313-1450

INTERVIEW SUMMARY

Applicant wishes to thank the Examiner for the courtesy of an Interview conducted December 22, 2004. In the interview, in which Applicant's representative Brian J. Gustafson and Examiner Harrison participated, claim 1 was discussed with respect to the cited reference of Adobe Illustrator 8.0. Applicant's representative described the invention and the differences from the zig zag filter on page 168 of Adobe Illustrator 8.0 and used to reject claim 1. Specifically, Applicant's representative described the editing brush of claim 1 and discussed why the zig zag filter of Adobe Illustrator 8.0 fails to disclose an editing brush having a region of influence and applying a displacement function directly to each of the control points in a region of influence and not to other control points. The Examiner agreed that Applicant's argument was sufficient to overcome the rejection based on the zig zag filter of Adobe Illustrator 8.0.

I hereby certify that this correspondence is being transmitted by
facsimile to the Patent and Trademark Office on the date indicated below.

December 22, 2004
Date of Transmission

Emma Durrell
Signature

Emma Durrell


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No fee is believed due, however, please apply any charges or credits to Deposit Account
No. 06-1050.

Respectfully submitted,

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